FGP-1000

8 FE PoE + 1 GE + 1 SFP Switch

User Manual

Ver 1.0

1. Introductions

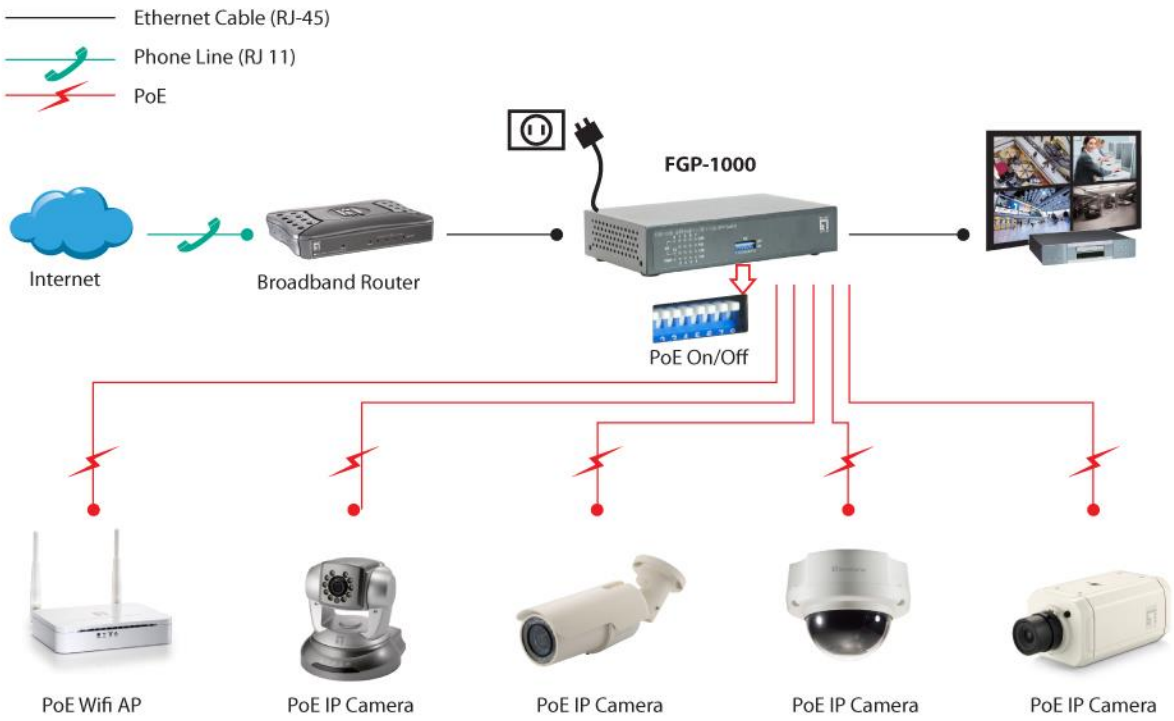
Thank you for purchasing the **PoE Switch**.

The **PoE Switch**, is a 8-port 10/100Mbps PoE + 2-port 10/100/1000Mbps (UTP/SFP) Switch with PoE On/Off control capability. With 8 dip switches, each PoE port can be manually set for On-Off control. 8-Port PoE Switch supports up to 15.4W/30W on each LAN port when the corresponding port DIP switch is set ON. The Gigabit ports are supporting 10/100/1000Mbps as uplink port connecting NVR or other edge switch via UTP or SFP port.

The **PoE Switch** supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection. You may also make use of PoE repeater to extend another 100 meters or serveral 100 meters distance if multiple PoE repeaters are cascaded.

2. Application

PoE Switch Connects with PoE PD Devices



3. Packing Contents

Inside the package you shall find:

(1) 8-Port FE + 1GE + 1SFP PoE Switch

(2) Power Adaptor (DC52V/2.3A)

(3) User Manual

Please check if the packing is damaged or any component is missing. If so, please contact your distributor.

4. Technical Specifications

Standards	IEEE 802.3/u 10/100/1000BaseT/TX IEEE 802.3x Flow Control IEEE 802.3at/af PoE compliant midspan PoE compliant
Features	MAC Address: 8K Buffer Memory: 512KB Transmission Method: Store and Forward
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP 100/1000BaseTX Cat. 5 UTP/SFP
PoE on each Port	15.4W/30W
Output PoE Pin	4, 5, 7, 8
LED Indicators	Port 1~8: 10/100M, PoE ON/OFF Power, Port 9,10: 10/100/1000M
Power Adaptor	Input: 100-240VAC, 50~60Hz Output: 52VDC 2.3A (120W)
Dimensions	188 × 118 × 38 mm (L x W x H)
Weight	1.5 kg
Operating Temperature	0 to 50℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

5. LED Indicators

On the front panel of 8-Port FE PoE + 2-Port GE Switch, there are 19 LED indicators as the following;

POWER: "**Green On**" indicates power is on and normal.

Port 1~8 LAN: "**Green On**" indicates each Ethernet LAN port is in connection.
GbE Port 9, 10: "**Green On**" indicates Gigabit LAN port is in connection.
"**Yellow On**" indicates Fast Ethernet LAN port is in connection.
PoE: "**Green On**" indicates Power over Ethernet function is enabled for each port.
"**OFF**" indicates the PoE is disabled, and it becomes a regular LAN port.

6. Dip Switch Settings vs Power over Ethernet

	1 ~ 8 ports DIP ON
Per PoE Port	**15.4W/30 Watts Injected**
Maximum PoE Power	**115 Watts**

Note that the dip switches can be switched ON and OFF anytime. However, it is suggested that the dip switches be set ready before the PoE port is connected for power management.

The device will be re-started if the overall PoE power consumption is over the power budget. Please make less PoE ports enabled when over the power budget.